

Applicant: Masashi Yano, et al.

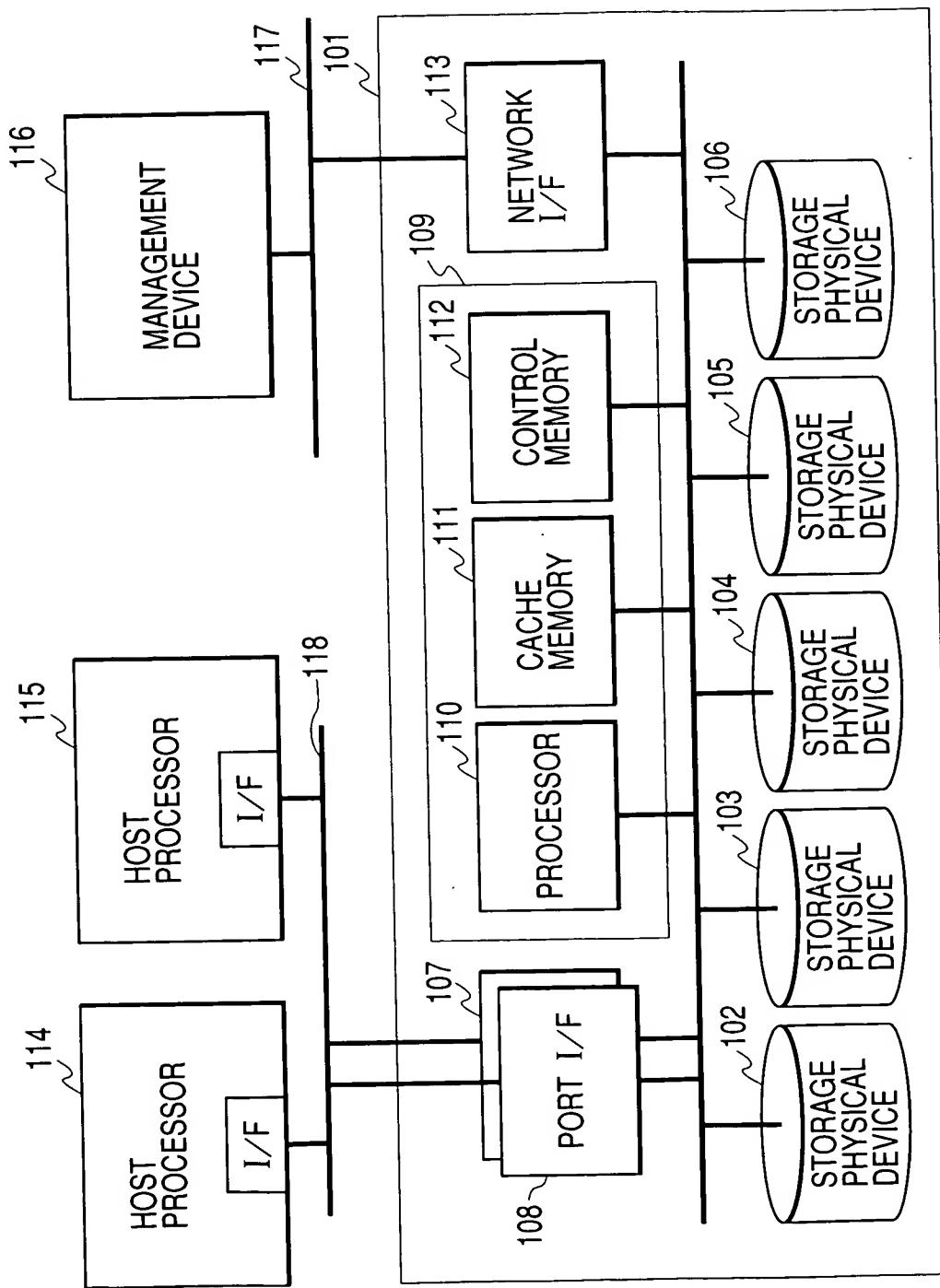
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FIG. 1



## FIG. 2

201 {  
 202 }  
 203 }

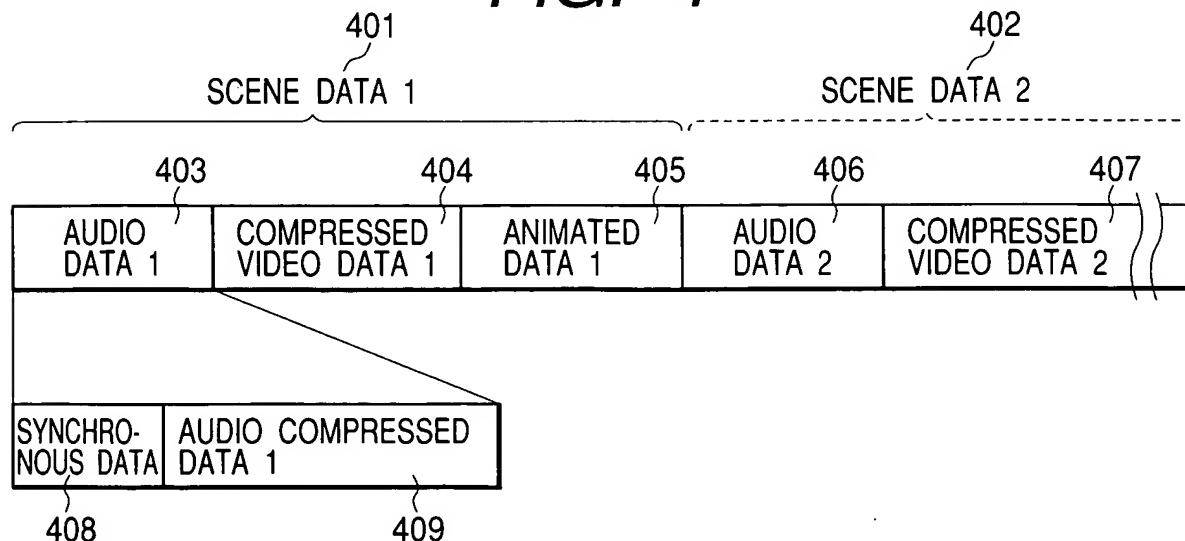
FILE ATTRIBUTE	CONTENTS	CONDITIONS
NAME OF EXECUTER 204 }	NAME OF EXECUTER ID OF ACCESS TO FILE	DESIGNATION ID AND ATTACHED GROUP NAME ID COINCIDE?
HOLDER 205 }	FILE'S HOLDER NAME ID	DESIGNATION ID, ATTACHED GROUP NAME ID COINCIDE?
SIZE 206 }	SIZE OF FILE	SMALLER THAN, SMALLER THAN OR EQUAL TO, LARGER THAN OR EQUAL TO, OR EQUAL TO GIVEN VALUE
CREATION DATE 207 }	CREATION DATE OF FILE	NEWER THAN, NEWER THAN OR IDENTICAL TO, OLDER THAN, OLDER THAN OR IDENTICAL TO, OR IDENTICAL TO GIVEN TIME
RENEWAL DATE 208 }	FINAL RENEWAL DATE OF FILE	NEWER THAN, NEWER THAN OR IDENTICAL TO, OLDER THAN, OLDER THAN OR IDENTICAL TO, OR IDENTICAL TO GIVEN TIME
FINAL ACCESS DATE 209 }	DATE OF FINAL ACCESS TO FILE	NEWER THAN, NEWER THAN OR IDENTICAL TO, OLDER THAN, OLDER THAN OR IDENTICAL TO, OR IDENTICAL TO GIVEN TIME
NAME OF FILE EXTENSION / CREATED AP NAME 210 }	TYPE AND CREATION OF FILE / NAME OF USE APPLICATION	EXTENSIONS COINCIDE (WILD CARD DESIGNATABLE)
FREQUENCY OF ACCESS 211 }	NUMBER OF ACCESSES TO FILE WITHIN PREDETERMINED PERIOD	SMALLER THAN, SMALLER THAN OR EQUAL TO, LARGER THAN OR EQUAL TO, OR EQUAL TO GIVEN VALUE

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**FIG. 3**

ITEM NUMBER	MEANING	PARAMETER
301	PLACE ALL FILES IN SPECIFIC PHYSICAL DEVICE	NAME OF PLACED STORAGE PHYSICAL DEVICE
302	SPECIFY HOW MANY BYTES FROM HEAD OF FILE SHOULD BE PLACED IN SPECIFIC PHYSICAL DEVICE	NAME OF PLACED STORAGE PHYSICAL DEVICE, NUMBER OF THRESHOLD BYTES
303	SPECIFY WHAT PERCENT FROM HEAD OF FILE SHOULD BE PLACED IN SPECIFIC PHYSICAL DEVICE	NAME OF PLACED STORAGE PHYSICAL DEVICE, THRESHOLD PERCENT VALUE
304	SPECIFY HOW MANY BYTES FROM END OF FILE SHOULD BE PLACED IN SPECIFIC PHYSICAL DEVICE	NAME OF PLACED STORAGE PHYSICAL DEVICE, NUMBER OF THRESHOLD BYTES
305	SPECIFY WHAT PERCENT FROM END OF FILE SHOULD BE PLACED IN SPECIFIC PHYSICAL DEVICE	NAME OF PLACED STORAGE PHYSICAL DEVICE, THRESHOLD PERCENT VALUE
306	SPECIFY WHETHER NEWLY-ADDED PORTION SHOULD BE PLACED IN SPECIFIC PHYSICAL DEVICE	NAME OF PLACED STORAGE PHYSICAL DEVICE

**FIG. 4**

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## FIG. 5

```
<?xml version="1.0" encoding="Shift_JIS"?> ~501
<!DOCTYPE STORAGE STORED DATA [ ~503

    <!ELEMENT multimedia-data (file-head, obj-data*)> ~502
    <!ELEMENT file-head (filename, file-ext, size, title?, creator?, bitrate?, time?)>
    <!ELEMENT filename (#PCDATA)> ~504
    <!ELEMENT file-ext (#PCDATA)> ~505
    <!ELEMENT size (#PCDATA)> ~506
    <!ELEMENT title (#PCDATA)> ~507
    <!ELEMENT creator (#PCDATA)> ~508
    <!ELEMENT bitrate (#PCDATA)> ~509
    <!ELEMENT time (#PCDATA)> ~510
    <!ELEMENT obj-data (obj-head, obj-body)*> ~511
    <!ELEMENT obj-head (len, seq, time, dur?, obj-id, command?, bitrate?, encodetype?, mediatype?, content-attribute?)>
    <!ELEMENT len (#PCDATA)> ~513
    <!ELEMENT seq (#PCDATA)> ~514
    <!ELEMENT time (#PCDATA)> ~515
    <!ELEMENT duration (#PCDATA)> ~516
    <!ELEMENT obj-id (#PCDATA)> ~517
    <!ELEMENT command (#PCDATA)> ~518
    <!ELEMENT bitrate (#PCDATA)> ~519
    <!ELEMENT encodetype (#PCDATA)> ~520
    <!ELEMENT mediatype (#PCDATA)> ~521
    <!ELEMENT content-attribute (#PCDATA)> ~522
    <!ELEMENT obj-body EMPTY>
    <!ATTLIST obj-body % media-object-attrs;> ~523
    <!ENTITY % media-object-attrs"
        begin-place CDATA #IMPLIED ~524
        end-place CDATA #IMPLIED ~525
    ">
]
```

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## FIG. 6

```
<?xml version="1.0" encoding="Shift_JIS"?>
<!DOCTYPE STORAGE STORED DATA SYSTEM "storagedata.dtd"> ~601
<STORAGE STORED DATA>~602
<multimedia-data>
<file-head>
    <filename> movie1.mpg</filename>~603
    <file-ext> mpg</file-ext> ~604
    <size> 2,000,000,000</size> ~605
    <title> actionmovie</title> ~606
    <creator> John</creator> ~607
    <bitrate> 2000000</bitrate> ~608
    <time> 7200</time>~609
</file-head>
<obj-data>~610
    <obj-head>~611
    <len> 900</len>~612
    <seq> 1</seq> ~613
    <time> 0</time> ~614
    <dur> 32</dur> ~615
    <obj-id> 0</obj-id> ~616
    <command> create</create>~617
    <bitrate> 1800000</bitrate> ~618
    <encodetype> ISO/IEC 14496-2</encodetype> ~619
    <mediatype> video</mediatype> ~620
    <content-attribute> promotion commercial</content-attribute>~621
</obj-head>
    <obj-body begin-place="1000" end-place="1064"/> ~622
</obj-data>
<obj-data>~623
    <obj-head>~624
    <len> 64</len>~625
    <seq> 1</seq> ~626
    <time> 0</time> ~627
    <dur> 32</dur> ~628
    <obj-id> 1</obj-id> ~629
    <command> create</create>~630
    <bitrate> 128000</bitrate> ~631
    <encodetype> ISO/IEC 14496-3</encodetype> ~632
    <mediatype> audio</mediatype> ~633
</obj-head>
    <obj-body begin-place="1016" end-place="1080"/>~634
</obj-data>
    ...
</multimedia-data>
</STORAGE STORED DATA>
```

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## FIG. 7

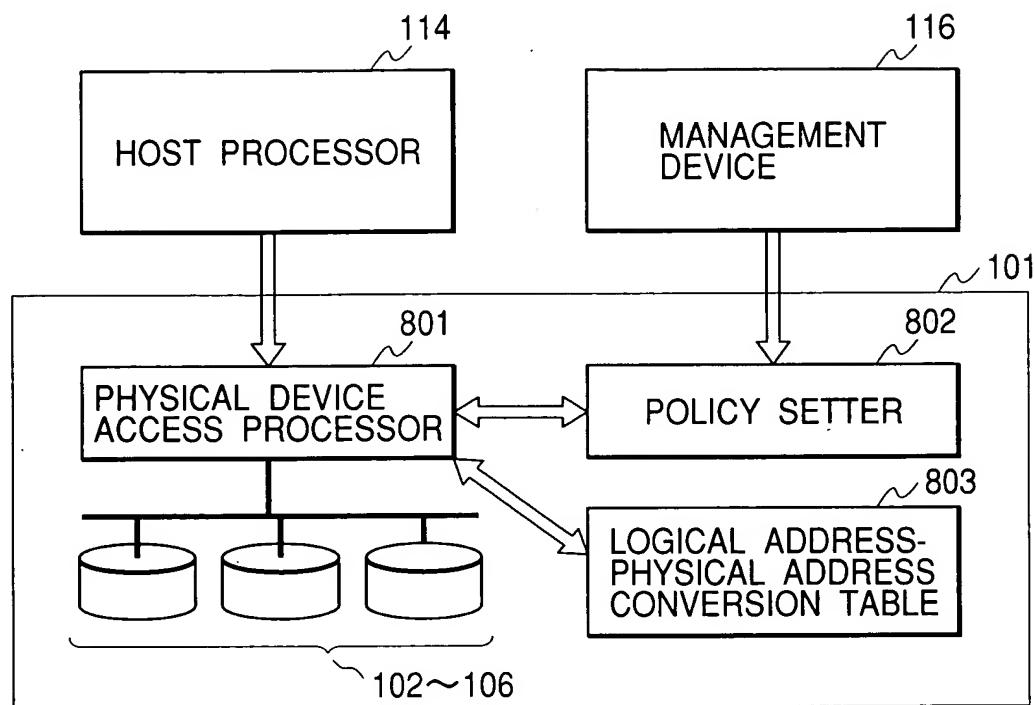
```
<?xml version="1.0" encoding="Shift_JIS"?>
<xsl:stylesheet xmlns:xsl="http://www.w3.org/TR/WD-xsl"> ~701

<xsl:template match="STORAGE STORED DATA"> ~702
  <xsl:for-each select="/">
    <xsl:if test=".//obj-data/obj-head/bitrate $ge$ 512000]"> ~703
      <storageselect>
        <phonenumber> 1 </phonenumber> ~704
        <filename>
          <xsl:value-of select="/file-head/filename"/> ~705
        </filename>
        <begin-place>
          <xsl:value-of select="/obj-data/obj-body[@begin-place]"/> ~706
        </begin-place>
        <end-place>
          <xsl:value-of select="/obj-data/obj-body[@end-place]"/> ~707
        </end-place>
        <storageselect>
      </xsl:if>
    </xsl:for-each>
  </xsl:template>
```

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**FIG. 8**



**FIG. 9**

LOGICAL ADDRESS	PHYSICAL ADDRESS	
	STORAGE PHYSICAL DEVICE NUMBER	PHYSICAL ADDRESS

FIG. 10

